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STATEMENT BY APPLICANT

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Sheet 1 of

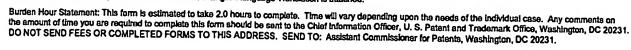
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Application Number	10/073,346
Filing Date	February 13, 2002
First Named inventor	AMMANN et al.
Group Art Unit	1743
Examiner Name	Bex, P.
Attorney Docket Number	2599-104-C2

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প্রত		5,232,669	Α	Pardinas	08-03-1993	rigures Appear
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/		5,443,791	Α	Cathcart et al.	08-22-1995	
		5,582,796	Α	Carey et al.	12-10-1996	
		5,988,869	Α	Davidson et al.	11-23-1999	
20		6,086,827	Α	Horner et al.	07-11-2000	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-latter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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Application Number	10/073,346									
Filing Oate	February 13, 2002									
First Named Inventor	Kelly G. Ammann									
Art Unit	1743									
Examiner Name	To be assigned									
Attorney Docket Number	GP095-08.CN6									

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. 8ox 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Citations for Con't. Apple Serial No. 09/985.064 Atty. Docket No. 2599-104.C2

U.S. Department of Commerce Form 1449 ATTY. EYCKET NO. SERIAL NO. Patent and Trademark Office 2599-104 09/203,030 **APPLICANT** LIST OF MATERIALS CITED BY APPLICANT (Use several sheets if necessary) Kelly G. AMMANN et al. FILING DATE GROUP Date: September 18, 2000 April 30, 1999 1631 U.S. PATENT DOCUMENTS EXAMINER INITIAL **DOCUMENT NUMBER** ·DATE FILING DATE IF CLASS SUBCLÁSS 05/12/1998 Collins et al. AA 5,750 338 435 6 05/03/1994 AB 6,033,880 03/07/2000 Haff et al. 435 91.1 02/23/1998 AC 6,096,272 08/01/2000 Clark et al. 422 64 05/22/1998 AD 6,110,678 08/29/2000 Weisburg et al. 435 6 05/01/1998 AE AF AG AH FOREIGN PATENT DOCUMENTS TRANSI ATTOM DOCUMENT NUMBER DATE CLASS SUBCLASS YES AI AJ AK NON-PATENT DOCUMENTS (including Author, Title, Date, Pentinen (Pages, Etc.) AM AN AO **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Citations for Con't. Appln. Scrial No. 09/985,064; Atty. Docket No. 2599-104.C2

		Page 5 of 28
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.	SERIAL NO.
PATENT AND TRADEMARK OFFICE	PM256656	09/305,030
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	HR	3,644,09		2/1972		NETHELER				-			
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		KR	4,366,119			1982			SAKURAD			 			_		
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	GR	→,528,15	9	07/1985		LISTON				+		+		
	HR	4,595,56	2	06/1986	 	LISTON et	al.			+		+	—	
	IR	4,612,28	9	09/1986		FURUTA et	al.			╁				
	JR	4,647,43	2	03/1987	1	WAKATAK	E			╁		+		
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	LR	4,695,430	0	09/1987	-	COVILLE et	al.			╁		╁		
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	ER	4,781,89	1	11/1988		GALLE et	aJ.			+-	<u> </u>	┼─	——
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	GR	4,844,86		07/1989		ROKUGAW	/A			+		十一	
	HR	4,848,91		07/1989		BENIN et a	al.			1		\vdash	
	IR	4,855,110		08/1989		MARKER et				1		 	
	JR	4,865,986		09/1989		COY et al						\top	
	KR	4,883,644		11/1989		PERLMAN						1	
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	FR	5,320,960		06/1994		MITSUMAKI	et al.			1		 	
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	HR	5,332,549		07/1994		MACINDOE						1	
	IR	5,358,691		10/1994		CLARK et							
	JR	5,360,741		11/1994		HUNNEL							
	KR	5,380,666		01/1995		WUERSCH					*		
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	HR	5,482,839	01/1996		ASHIHARA e				+			 	
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	ER	5,762,872	2 06	/1998		BUHLER	et al.					 	
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	HR	5,779,981	07	/1998		DANSSAER	Γet al.			 			
	IR	5,786,182		/1998		CATANZARI	Γl et al.						
	JR	5,789,252		/1998		FUJITA e				T			
	KR	5,795,547		/1998		MOSER e							
	LR	5,807,523		/1998	_	WATTS e							
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
:	van Gemen et al., "The One-tube Quantitative HIV-1 RNA NASBA: Precision, Accuracy, and Application", PCR Methods and Applications, 4:S177-S184 (Cold Spring Harbor Laboratory 1995).

examiner Cross, L.	DATE CONSIDERED 9/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CI	TATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH



Citations for Con't. Appln. Scrial No. 09/985,064; Atty. Docker No. 2599-104.C2 Page 28 of 28

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INITIALS*	CITE NO.1	ļ	NUMBER		ND CODE (F KNOWN)		OF CITED DOCUMENT MM-DD-YYYY					
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